

ABSTRACT OF THE DISCLOSURE

To provide a reluctance type resolver which can reduce the influence by leakage magnetic flux and improve precision. A rotor 11, constructed from a magnetic material, includes magnetic salient sections opposing excitation teeth of a stator 31 and is fixed to an input axis 10, to be linked with the rotational motion of the input axis 10. Excitation teeth and bypass magnetic path teeth, both of which are constructed from a magnetic material, are provided on the inner periphery of the stator 31 with a predetermined spacing in between. Excitation windings are wound on the excitation teeth so that magnetic flux of the same direction with respect to the rotor 11 is generated at the excitation teeth.